

## INTERNATIONAL SEARCH REPORT

Rec'd PCT/PTO 20 SEP 2005  
 International Application No  
 PCT/04/010208

A. CLASSIFICATION OF SUBJECT MATTER  
 IPC 7 G01R31/26

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
 IPC 7 G01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>HEILSCHER G ET AL COMMISSION OF THE EUROPEAN COMMUNITIES: "INTENSE MEASUREMENT AND EVALUATION PROGRAMME WITHIN THE 1000 - ROOFS - PHOTOVOLTAIC - PROGRAMME SPONSERED BY THE GERMAN FEDERAL MINISTRY OF RESEARCH AND TECHNOLOGIE (BMFT)"</p> <p>11TH. E.C. PHOTOVOLTAIC SOLAR ENERGY CONFERENCE. PROCEEDINGS OF THE INTERNATIONAL CONFERENCE, MONTREUX, OCT. 12 - 16, 1992, PROCEEDINGS OF THE INTERNATIONAL PHOTOVOLTAIC SOLAR ENERGY CONFERENCE, CHUR, HARWOOD ACADEMIC, CH, vol. CONF. 11, 12 October 1992 (1992-10-12), pages 1489-1490, XP001137868</p> <p>ISBN: 3-7186-5380-X</p> <p>the whole document</p> <p style="text-align: center;">----- -/--</p>	1-60

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

2 September 2004

Date of mailing of the international search report

16/09/2004

Name and mailing address of the ISA

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PCT/H00004/010208

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BERGMANN W ET AL COMMISSION OF THE EUROPEAN COMMUNITIES: "AUSTRIAN 200 kWp PHOTOVOLTAIC ROOFTOP PROGRAMME ACCOMPANYING SCIENTIFIC MONITORING PROGRAMME"</p> <p>13TH. E.C. PHOTOVOLTAIC SOLAR ENERGY CONFERENCE. NICE, FRANCE, OCT. 23, vol. VOL. 1 OF 2. CONF. 13, 23 October 1995 (1995-10-23), pages 672-674, XP001137362 ISBN: 0-9521452-7-8 the whole document</p>	1-60
X	<p>HE W ET AL COMMISSION OF THE EUROPEAN COMMUNITIES: "SOUTHAMPTON PHOTOVOLTAIC TEST AND REFERENCE FACILITY"</p> <p>14TH. E.C. PHOTOVOLTAIC SOLAR ENERGY CONFERENCE. BARCELONA, SPAIN JUNE 30 - JULY 4, 1997, PROCEEDINGS OF THE INTERNATIONAL PHOTOVOLTAIC SOLAR ENERGY CONFERENCE, BEDFORD : H.C. STEPHENS &amp; ASSOCIATES, GB, vol. VOL. 2 OF 2. CONF. 14, 30 June 1997 (1997-06-30), pages 1620-1623, XP001136383 ISBN: 1-901675-03-5 the whole document</p>	1-60
X	<p>STEFANAKOS E K ET AL: "MONITORING OF A HYBRID PHOTOVOLTAIC SYSTEM FOR TELECOMMUNICATIONS"</p> <p>2ND WORLD CONFERENCE ON PHOTOVOLTAIC SOLAR ENERGY CONVERSION. / 15TH EUROPEAN PV SOLAR ENERGY CONFERENCE. / 27TH US IEEE PHOTOVOLTAIC SPECIALISTS CONFERENCE. / 10TH ASIA/PACIFIC PV SCIENCE AND ENGINEERING CONFERENCE. VIENNA, AUSTRIA, JULY 6 - 10, 1998, vol. VOL. 3, 1998, pages 3078-3081, XP001138646 ISBN: 92-828-5420-5 the whole document</p>	1-16
X	<p>EP 1 223 431 A (OTRONIC GMBH &amp; CO KG) 17 July 2002 (2002-07-17) paragraph '0001! - paragraph '0002! paragraphs '0015! - '0027!</p>	1-16

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## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US2004/010208

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	QUAIDA B ET AL INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS: "SUNPAC: THE REMOTE MONITORING OF PHOTOVOLTAIC INSTALLATIONS SUNPAC: LE TELESUIVI DES INSTALLATIONS PHOTOVOLTAIQUES" INTERNATIONAL TELECOMMUNICATIONS ENERGY CONFERENCE. (INTELEC). PARIS, SEPT. 27 - 30, 1993, NEW YORK, IEEE, US, vol. VOL. 1 CONF. 15, 27 September 1993 (1993-09-27), pages 303-306, XP000496159 the whole document	1,25,29, 38,44, 47,59,60
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 12, 31 October 1998 (1998-10-31) & JP 10 201106 A (YOKOGAWA M & C KK), 31 July 1998 (1998-07-31) abstract; figure 1 paragraph '0022! - paragraph '0023!	1-60
A	KUIPERS U ET AL: "AUSWERTUNG VON MESSWERTEN EINER NETZGEKOPPELTEN PHOTOVOLTAIKANLAGE" ELEKTROTECHNISCHE ZEITSCHRIFT - ETZ, VDE VERLAG GMBH. BERLIN, DE, vol. 114, no. 23/24, 1 December 1993 (1993-12-01), pages 1444-1446,1448, XP000423829 ISSN: 0948-7387 the whole document	1-60

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/010208

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1223431	A	17-07-2002	EP 1223431 A2	17-07-2002
JP 10201106	A	31-07-1998	NONE	